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## **EUROPEAN PATENT APPLICATION**

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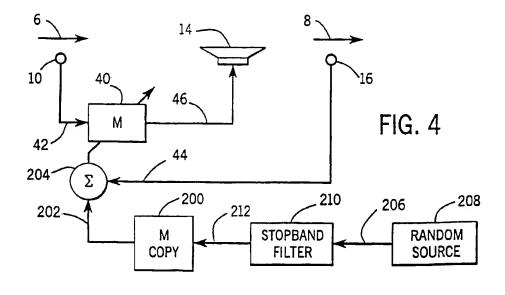
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- (54) Active adaptive control system with spectral leak

(57) An active adaptive control system introduces a control signal from an output transducer (14) to combine with the system input signal (6) and yield a system output signal (8). An adaptive filter model (40) has an output (46) supplying a correction signal to the output transducer to introduce the control signal. The model has a first error input (44, 232, 248) driven by an error signal from an error transducer (16) to drive the correction sig-

nal toward a value matching the system input signal to modify and/or cancel same. The model has a second error input (202, 224, 240, 268, 280) selectively driven by a spectral leak signal (212) to drive the correction signal away from such matching value by driving the correction signal towards zero, to selectively constrain performance of the model in response to a given condition of a given parameter.





## **EUROPEAN SEARCH REPORT**

Application Number EP 94 30 9209

		DERED TO BE RELEVAN	T	C ASSESSMENT OF THE	
Category	Citation of document with in of relevant pac		Relevant to claim	CLASSIFICATION OF TH APPLICATION (Int.CL6)	
A	WO 93 15501 A (ACTI TECH) 5 August 1993 * page 12, line 9 -	VE NOISE & VIBRATION line 22 *	1	H03H21/00 G10K11/178	
D,A	1987	KSSON LARRY J) 30 June - column 17, line 62;	1,10		
	figures 19,20 *				
				TECHNICAL PIELDS SEARCHED (Int.Cl.6)	
				G10K H03H	
The present search report has been drawn up for all claims Place of search Date of completion of the search					
			<del></del>	Examiner	
•	THE HAGUE	28 February 1997	D/L	PINTA BALLE, L	
CATEGORY OF CITED DOCUMENTS  T: theory or princ E: earlier patent St: particularly relevant if taken alone Y: particularly relevant if combined with another D: document cite		T: theory or principle E: earlier patent door ufter the filing dat er D: document cital in	underlying the iment, but public e the application	isvestios	
A: technological background O: non-written disclosure P: intermediate document		A : member of the sas	L: document cited for other reasons  A: member of the same patent family, corresponding  socument		